عنوان مقاله:
Extraction of Erythromycin with Reverse Micelles: Effect of Salt, Surfactant, antibiotic Concentrations and pH

محل انتشار:
هفتمین کنگره ملی مهندسی شیمی (سال:1390)

نویسنده‌گان:
Serveh Kamrava - Biotechnology Research Laboratory, School of Chemical Engineering, Iran University of Science and Technology (IUST), P.O. Box: 16846-13114, Tehran, Iran
Parisa Hejazi - Biotechnology Research Laboratory, School of Chemical Engineering, Iran University of Science and Technology (IUST), P.O. Box: 16846-13114, Tehran, Iran

خلاصه مقاله:
In this study, the reverse micelle system consists of Docusate sodium salt (AOT) / Isooctane was used for Erythromycin extraction. The effects of AOT, NaCl, initial antibiotic concentration and pH in forward extraction were studied using one factor at a time (OFAT) method. Optimum forward extraction efficiency depends on backward extraction results. The maximum forward extraction efficiency was 98.18% (w/w) in pH 1.1, NaCl concentration .20M, surfactant concentration 5mM and .2mM erythromycin concentration in the constant conditions of backward extraction.

کلمات کلیدی:
Erythromycin, Reverse micelle extraction, AOT, One factor at a time method

لینک نتیجه ثبت مقاله در پایگاه سیویلیکا:
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